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**PATENT APPLICATION**

Attorney Docket No.: 105045

**AMENDMENT TRANSMITTAL**

In re the Application of

Frederic BESEME et al.

Group Art Unit: 1636

Application No.: 09/446,024

Examiner: G. Leffers, Jr.

Filed: December 16, 1999

For: ENDOGENETIC RETROVIRAL SEQUENCES, ASSOCIATED WITH AUTOIMMUNE DISEASES OR WITH PREGNANCY DISORDERS

Director of the U.S. Patent and Trademark Office  
Washington, D.C. 20231

Sir:

Transmitted herewith is an Amendment in the above-identified application.

- ☐ Entitlement to small entity status is hereby asserted.  
☐ Small entity status of this application has been established.

The filing fee has been calculated as shown below:

	(Column 1)	(Column 2)	(Column 3)	SMALL ENTITY			OTHER THAN A SMALL ENTITY	
	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NO. PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE	ADD'L FEE	OR	RATE	ADD'L FEE
TOTAL CLAIMS	*40 MINUS	**35	=5	x 9	\$		x 18	\$ 90
INDEP CLAIMS	*5 MINUS	***4	=1	x 42	\$		x 84	\$ 84
<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEP. CLAIM				+ 140	\$	OR	+280	\$
					\$			\$ 174

\* If the entry in Column 1 is less than the entry in Column 2, write "0" in Column 3.

\*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, write "20" in this space.

\*\*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, write "3" in this space.

The "Highest Number Previously Paid For" in this space (Total or Independent) is the highest number found from the equivalent box in Column 1 of a prior Amendment or the number of claims originally filed.

- ☒ Check No. 135845 in the amount of \$174.00 is attached. The Director is hereby authorized to charge any other fees that may be required to complete this filing, or to credit any overpayment, to Deposit Account No. 15-0461. Two duplicate copies of this sheet are attached.

DEPOSIT ACCOUNT USE  
AUTHORIZATION  
Please grant any extension  
necessary for entry;  
Charge any fee due to our  
Deposit Account No. 15-0461

Respectfully submitted,

William P. Berridge  
Registration No. 30,024

Melanie L. Mealy  
Registration No. 40,085

WPB:MLM/jam

Date: October 30, 2002

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PATENT APPLICATION

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Frederic BESEME et al.

Group Art Unit: 1636

Application No.: 09/446,024

Examiner: G. Leffers, Jr.

Filed: December 16, 1999

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For: ENDOGENETIC RETROVIRAL SEQUENCES, ASSOCIATED WITH  
AUTOIMMUNE DISEASES OR WITH PREGNANCY DISORDERS

PRELIMINARY AMENDMENT

Director of the U.S. Patent and Trademark Office  
Washington, D.C. 20231

Sir:

Before examination of the Continued Prosecution Application filed July 30, 2002,  
please amend the above-identified patent application as follows:

IN THE ABSTRACT:

Please add the Abstract as attached hereto.

IN THE SPECIFICATION:

Page 1, lines 4-10, delete current paragraph and insert therefor:

The present invention relates to a new nucleic material of the endogenous retroviral  
genomic type, various nucleotide fragments comprising it or which are obtained from said  
material, as well as their use as a marker for at least one autoimmune disease or a pathology  
which is associated with it, a pathological pregnancy or an unsuccessful pregnancy.

Page 10, lines 5-8, delete current paragraph and insert therefor:

- "functional" is understood to mean the characteristic according to which a nucleotide

sequence, a nucleic material or a nucleotide fragment comprises an "informational sequence,"

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